

Title (en)

Motor vehicle with a deformable element for absorbing side impact forces in the side region of the vehicle

Title (de)

Kraftfahrzeug mit einem Deformationselement zur Aufnahme von Seitenaufprallkräften im Seitenbereich des Kraftfahrzeuges

Title (fr)

Véhicule automobile avec un élément déformable pour absorber les chocs latéraux dans la zone latérale du véhicule

Publication

EP 1840002 B1 20090114 (DE)

Application

EP 06022977 A 20061104

Priority

DE 102006014961 A 20060331

Abstract (en)

[origin: EP1840002A1] The unit has inner, outer and middle hollow chambers (2-4) that are arranged behind each other in an effective direction of side collision forces and collision energies such that the collision energies are taken up by the chambers. The chambers include an axial extension that is aligned perpendicular to the effective direction of the side collision forces. A fastening section (14) attaches the deformation unit to an assigned side door sill reinforcing unit (12) of a motor vehicle. Side walls (5) form the chambers with different cross-section profiles.

IPC 8 full level

B62D 21/15 (2006.01); **B62D 25/02** (2006.01)

CPC (source: EP US)

B62D 21/157 (2013.01 - EP US); **B62D 25/025** (2013.01 - EP US)

Cited by

US8661617B1

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DOCDB simple family (publication)

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EP 06022977 A 20061104; AT 06022977 T 20061104; DE 102006014961 A 20060331; DE 502006002647 T 20061104; JP 2007081059 A 20070327; US 70678607 A 20070214